

Addonics

TECHNOLOGIES

HDD Duplicator Panel

HDUSI3TDR, HDUS3325DX,
HDUSI5TDR, HDUS5325DX

User's Guide

Technical Support

If you need assistance to get your unit functioning properly, please call Addonics Technical Support. Our technical staff will be happy to assist you, but they will need your help to do so. Calling the technical support staff without all the proper information can be both time consuming and frustrating. Here are some tips to help you out:

Contact Information

Phone: 408-573-8580
Fax: 408-573-8588
Email: <http://www.addonics.com/sales/query/>
Internet: <http://www.addonics.com>

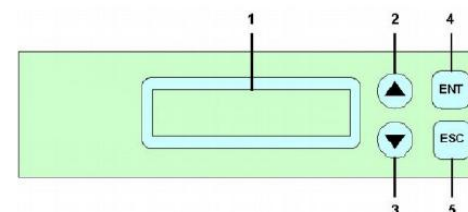
TECHNICAL SUPPORT

Phone: 408-453-6212
Hours: 8:30 am - 6:00 pm PST
Email: <http://www.addonics.com/support/query/>

The Panel

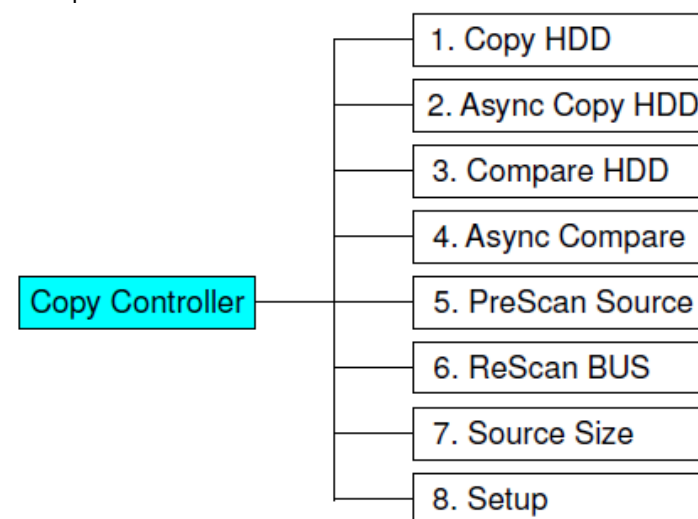
There are four buttons and an LCD on the panel of DVD Duplicator.

- 1 – LCD shows a function or a message.
- 2 – it is used to scroll up function menus.
- 3 – it is used to scroll down function menus.
- 4 – it is used to execute a function.
- 5 – it is used to cancel a function.

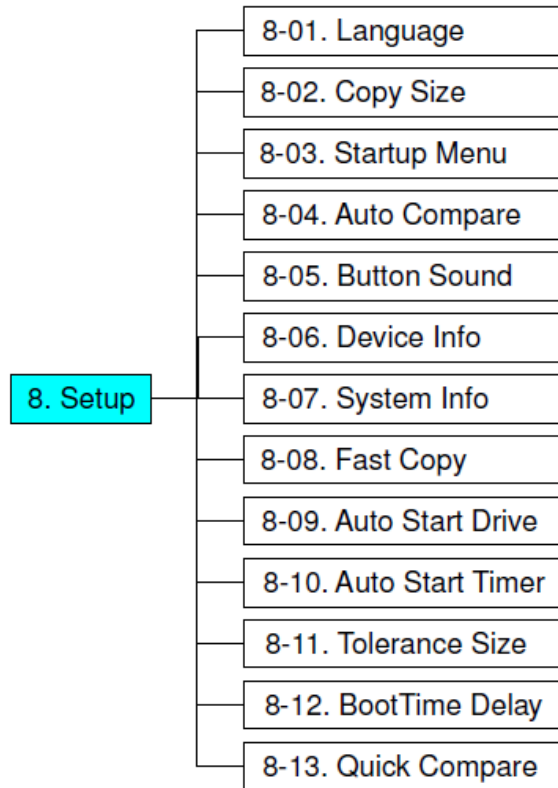


Functions

The HDD Duplicator has 6 functions in total.



In Function 8, there are 13 subfunctions.



1 Copy HDD

Copy HDD copies data directly from the source hard disk to the target hard disks.

Make sure that the capacity of the target hard disk is equal or larger than the source hard disk.

Choose option 1 from the menu:

1. Copy HD

Press ENT to begin copy. The system will auto-detect the hard disks and show the following info on the LCD.

Copy-36MB/s 0%
235.7GB 1 : 48

The LCD will show the following info during the copying process: remaining time, completed percentage. The copy speed, capacity and time will vary depending

on the source hard disk. Once the copying process is complete the LCD will display the following results.

Copy HD
OK :

2 Async Copy HDD

Copy HDD copies data directly from the source hard disk to the target hard disks. While duplication process is on-going, allows you to plug-in additional target drives and duplication will automatically start for the added target drive.

Choose option 2 from the menu:

2. Async Copy HDD
HDD:10 232.9GB

Press ENT to begin copy. The system will auto-detect the hard disks and show the following info on the LCD.

Copy-36MB/s 0%
235.7GB 1 : 48

If the duplicator detects a drive whose capacity is less than the source drive, the LCD will display the corresponding channel number. For example, the 5th drive.

5
Space Not Enough

The LCD will show the following info during the copying process: remaining time, completed percentage. The copy speed, capacity and time will vary depending on the source hard disk. Once the copying process is complete the LCD will display the following results.

Async Copy HDD
OK: 5 Fail: 0

3 Compare HDD

Compare HDD is used to see if the data on a source hard disk is identical to the target hard disk after the Copy HDD operation.

Choose option 3 from the menu:

3. Compare HDD
HDD: 3 232.9GB

Press ENT to begin the comparison. The LCD will display the following info

Comp-23MB/s %
236.9GB2 51:12

Once the comparison is complete the LCD will display the following info as well as the amount of data on the source hard disk.

Compare OK:1
Fail:0 Diff:0

4 Async Compare

Compare HDD is used to see if the data on a source hard disk is identical to the target hard disk after the Copy HDD operation. While compare process is on-going, allows you to plug-in additional target drives and comparison will automatically start for the added target drive.

Choose option 4 from the menu:

4. Async Compare
HDD: 4 232.9GB

Press ENT to begin the comparison. The LCD will display the following info

ACmp-23MB/s 0%
232.9GB 00:00:00

Once the comparison is complete the LCD will display the following info as well as the amount of data on the source hard disk.

Compare OK: 4
Fail: 0 Diff: 0

5 PreScan HDD

PreScan HDD is used to check if the source hard disk can be accessed properly. It also tests the read speed.

Choose option 5 from the menu:

5. PreScan Source
HDD : 3 232.9GB

Press ENT to begin scan. The LCD will display the following info

Scan-52MB/s 1%
236.4GB 1 : 15 : 04

Once the scan is complete, the LCD will display the corresponding results

PreScan OK!

6 ReScan Bus

Choose option 6 from the menu:

6. ReScan BUS

Press ENT to re-scan hardware. The LCD will display the following info.

Re-Scan BUS NOW?
Yes

Press ENT to begin scanning IDE00:Master/Save ~ IDE1:Master/Slave.

Detect Drives

When the scan is complete the LCD will display the following info.

Bus re- scan OK!

7 Source HDD Size

Source HDD Size is used to show the capacity of the source hard disk.

Choose option 7 from the menu:

7. Source Size

Press ENT and the LCD will show the following info.

Total: 232. 5GB

8 Set up

Setup allows various system settings to be changed. There are 8 sub-options: Language, Copy Size, Startup Menu, Auto Compare, Copy with detect, Button Sound, Device Info and System Info.

Choose option 8 from the menu:

8. Setup

8.1 Language

This option is used to select the system's language support. By default this is set to English. Press ENT to change the Language settings.

Language
English

8.2 Copy Size

This option is used to specify the size of the source hard disk for simplifying further copying operations.

8-02. Setup
Copy Size

Press ENT and the LCD will display a detailed list of options as shown below

Copy Size
ALL

Copy Size
100%~1% (*MB)age

Use the Up and Down arrow keys to choose different copy sizes. The system will offer their corresponding percentages so the user can specify the amount to copy from the source hard disk.

Press ENT to confirm and save the changes.

8.3 Startup Menu

This option allows you to set an option other than "Setup" to be displayed as the first available option on the menu every time you start the system.

8-03. Setup
Startup Menu

Press ENT then use the Up and Down arrow keys to choose other options. By default the first menu option is Copy HDD.

Startup Menu
1. Copy HD

8.4 Auto Compare

This option automatically compares the source hard disk with the target hard disk after a copy operation is completed.

8-04. Setup
Auto Compare

Press ENT to access option. By default it is set to Off. Use the Up and Down arrow keys to choose On.

Auto Compare
Off

8.5 Button Sound

8-05. Setup
Button Sound

Press ENT and the LCD will display the following info. Use the Up and Down arrow keys to choose whether button sound is on or off.

Button Sound
On

8.6 Device Info

This option is used to display the details of all hard disks connected to the copy controller.

8-06. Setup
Device Info

Press ENT and the LCD will display each hard disk' information in order as shown below.

Ram: 31MB
Flash: 4096KB

8.7 System Info

This option displays system information.

8-07. Setup
System Info

8.8 Fast Copy

This option displays Fast Copy. Fast Copy only copies data on the source drive to the target drives.

8-08. Setup
Fast Copy

Press **ENT** and the LCD will display the following info. Use the Up and Down arrow keys to choose whether fast copy is on or off. (This function currently only supported in FAT, FAT32, NTFS, HFS, Ext2 and Ext3 partitions.)

Fast Copy
On

8.9 Auto Start Drive

This option is used to copy automatically once you inserted a HDD on target port.

8-09. Setup
Auto Start Drive

Press **ENT** to enter the following figure. The default is OFF. Use the Up and Down arrow keys to choose 1-5.

Auto Start Drive
Off

8.10 Auto Start Timer

This option is used to set the period of time when the duplicator starts copying automatically once you insert HDD on target port.

8-10. Setup
Auto Start Timer

Press **ENT** to enter the following figure. The default is OFF. Use the Up and Down arrow keys to choose 5 Sec-50 Sec.

Auto Start Timer
Off

8.11 Tolerance Size

This option is used to set the tolerance in terms of percentage the difference in the source and target capacity. This is to ensure that when the target drive is smaller than the source drive, the duplication process will not start.

8-11. Setup
Tolerance Size

Press **ENT** to enter the following figure. The default is Off. Use the Up and Down arrow keys to choose 1%~100% of source.

8-11. Setup
Tolerance Size

8.12 BootTime Delay

This option is used to set boot delay time.

8-12. Setup
BootTime Delay

Press **ENT** to enter the following figure. The default is 5 sec. Use the Up and Down arrow keys to choose 0~99 sec.

BootTime Delay
5 sec

5.8.13 Quick Compare

This option is used to set the size of each comparison unit.

8-13. Setup
Quick Compare

Press **ENT** to enter the following figure. The default is OFF. Use the Up and Down arrow keys to choose 1 Byte/1K/10K/100K/1MB/10MB/100 Mbytes. (In order to improve the accuracy of pure data can maintain the default settings.)

Quick Compare
Off

Basic Troubleshooting

9.1 LCD

If the LCD display is blank after the device is turned on, check that the power cable is properly connected and that the power supply is on.

9.2 Error Message

When the system is running a copy operation or hardware diagnostics then operation was manually terminated by pressing ESC, an error message will be shown by the LCD. This may lead to an illegal operation and cause the device to stop reminding. If this happens, the device must be restarted.

9.3 Hard Disk

If unable to read the hard disk please check that the data and power cables are properly connected. When making a copy please make sure that you have set the source hard disk correctly.

9.4 Keys

If pressing the keys on the front panel produces no response from the system, the keys may have malfunctioned.

9.5 Startup/Shutdown

Do not suddenly turn off the power while the system is performing an operation. After shutting down normally, wait a moment (usually around 2 seconds) before starting the system again so it can run its self-diagnostics.

Appendix A

LCD Messages

Connecting with a HDD:

All data will be lost, format?..... All data on the hard disk will be lost. Confirm the formatting of hard disk.

Delete Image in Partition xx?.....Confirm the deleting of data image in partition xx.

Format HDD?..... Ask if you want to format the hard disk.

Format HDD OK!The Formatting of hard disk has been completed.

HDD not Format!.....The hard disk hasn't been formatted yet.

HDD too small The capacity of hard disk is too small.

HDD too small to handle image!..... The hard disk hasn't enough capacity to store the data image (at least 5Gbytes).

Image Exists Overwrite?..... There is a data image in the current partition. Confirm the overwriting of data.

Image load Fail!.....The image isn't successfully loaded from DVD to the hard disk.

Image load OK..... The image is successfully loaded from DVD to the hard disk

No Image in Partition xx.....There is no data image in partition xx.

No Valid HDD!..... The system cannot find a hard disk.

Partition Damage.....The partition is damaged.

Select HD First!..... Select a formatted hard disk at first.

Verify Disk or Partition?..... Do you want to verify the hard disk or just a partition?

Verify Hard Disk Fail!..... The hard disk is not verified successfully.

Firmware Update:

Check Sum Error!..... The updated firmware has errors.

Flash ROM fail!..... Data cannot be written into Flash ROM.

Invalid firmware The disc doesn't contain a valid firmware.

Last update F/W Fail!..... The firmware is not updated successfully.

Last update F/W OK!..... The firmware is updated successfully.

Searching F/W The system is searching for a valid firmware.

Source can't be Hard Disk!.....During comparison the source cannot be hard disk.